WHAT IS CLAIMED IS:

1. A protective covering comprising at least a two-layer coating build-up wherein

the first coating comprises a two-component polyurethane adhesion promoter (primer) containing alkoxysilyl groups and

the second coating comprises an inorganic or organic coating or an inorganic-organic hybrid coating.

2. The protective covering of Claim 1 wherein the two-component polyurethane adhesion promoter comprises

I) a hardener component (A), comprising an addition product of at least one organic polyisocyanate (B) with an average NCO functionality of 2.5 to 5.0 and an isocyanate content of 8 to 27 wt.% and

an alkoxysilane (C) with at least one group which is reactive towards isocyanate groups, of formula (I)

$$Q\text{-}Z\text{-}SiX_aY_{3-a} \qquad (I),$$

in which

Q represents an isocyanate-reactive group,

Z represents a linear or branched C_1-C_{12}-alkylene group,

X represents a hydrolyzable group,

Y represents identical or different C_1-C_4-alkyl groups, and

a represents an integer from 1 to 3,

and

II) a paint resin (D) which is reactive towards isocyanate groups.

3. The protective covering of Claim 2 wherein

Q represents OH, SH or NHR_1, wherein R_1 represents a C_1-C_{12}-alkyl group, a C_6-C_{20}-aryl group or -Z-SiX_aY_{3-a},

4. The protective covering of Claim 2 wherein

Z represents a linear or branched C_1-C_4-alkylene group,

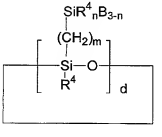
5. The protective covering of Claim 2 wherein

X represents a C_1-C_4-alkoxy,

6. The protective covering of Claim 1 wherein the second coating comprises an inorganic coating.

7. The protective covering of Claim 1 wherein the second coating comprises an organically modified inorganic coating.

8. The protective covering of Claim 7 wherein the organically modified coating comprises at least one multifunctional, cyclic carbosiloxane of the general formula (III)



(III)

in which

R^4 independently of one another represents a C_1-C_{18}-alkyl group and/or a C_6-C_{20}-aryl group, wherein

B represents a radical chosen from the group consisting of OH, C_1-C_4-alkoxy, C_6-C_{20}-aryloxy and C_1-C_6-acyloxy, preferably OH, methoxy or ethoxy,

d is 3 to 6,

n is 0 to 2 and

m is 2 to 6,

and/or a (partial) condensation product thereof.

9. The protective covering of Claim 8 wherein B represents OH, methoxy, or ethoxy.

10. A process for the production of a protective covering comprising applying in a first step a two-component polyurethane adhesion promoter (primer) containing alkoxysilyl groups and applying in a second step an inorganic or organic coating or inorganic-organic hybrid coating to a substrate.

11. The process of Claim 10 further comprising applying in a further step a third coating on the substrate.

12. The process of Claim 10 wherein the substrate comprises a metal, a glass, or a polymer.

13. The process of Claim 10 wherein the substrate comprises polycarbonate, polymethyl methacrylate, polystyrene, polyvinyl chloride, polyvinylcyclohexane and copolymers thereof, polyimide, ABS or blends thereof.

14. A substrate comprising at least one protective covering of Claim 1.